RECJEIVED Stêp 04 2003 Human dystrophin coding sequence 11058bp

## Dystrophin minigene constructs

H1 R1 R2 R3 H2 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 H3 R20 R21 R22 R23 R24 H4 CR | CT

Z |H1 R1 | R2 | R3 | R22 | R23 | R24 | H4 | CR |

Δ4173

|H1 R1 | R2 |H3 R22 |R23 |R24 |H4 | CR

Δ3990

|H1 R1 | R2 |R22 |R23 |R24 |H4 | CR

Δ3849

|H1 | R1 | R2 | R23 | R24 | H4 | CR

 $\Delta 3510$ 

Z

H1 R1 R22 R23 R24 H4 CR

Δ3531

|H1 | R1 | R2 | R3 | R24 |H4 | CR

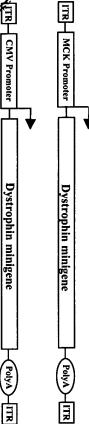
Δ3447

H1 R1 R24 H4 CR

Δ2796

H1 R1 H4 CR

DysM3 (3700bp)



AAV-MCK-mini-dystrophin

Poly ITR AAV-CMV-mini-dystrophin

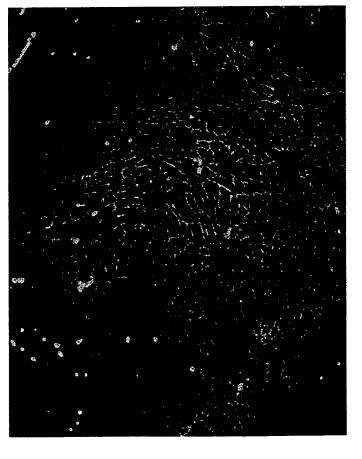
TEN STEWARY - CMV Promoter -

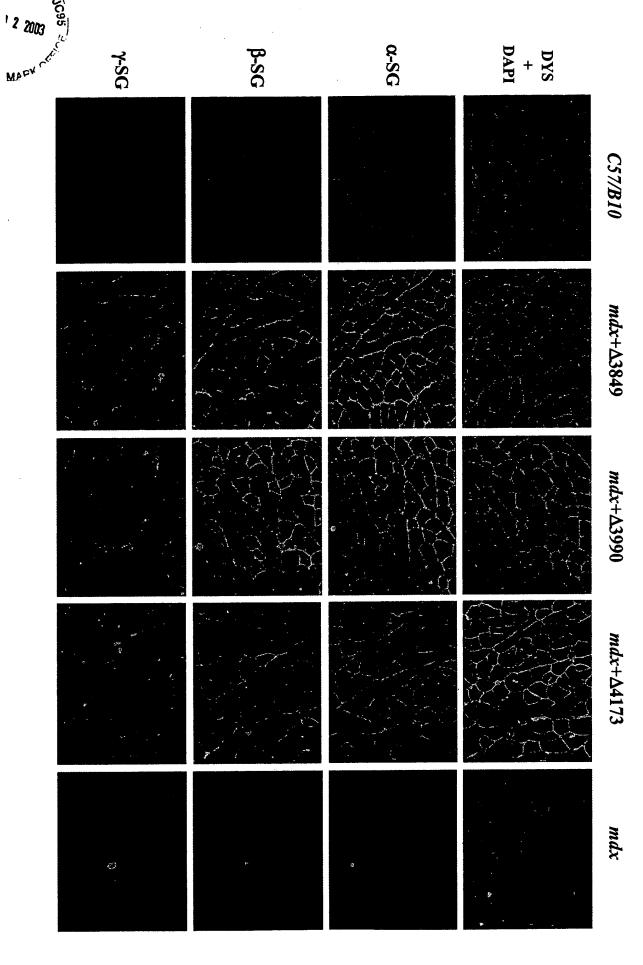




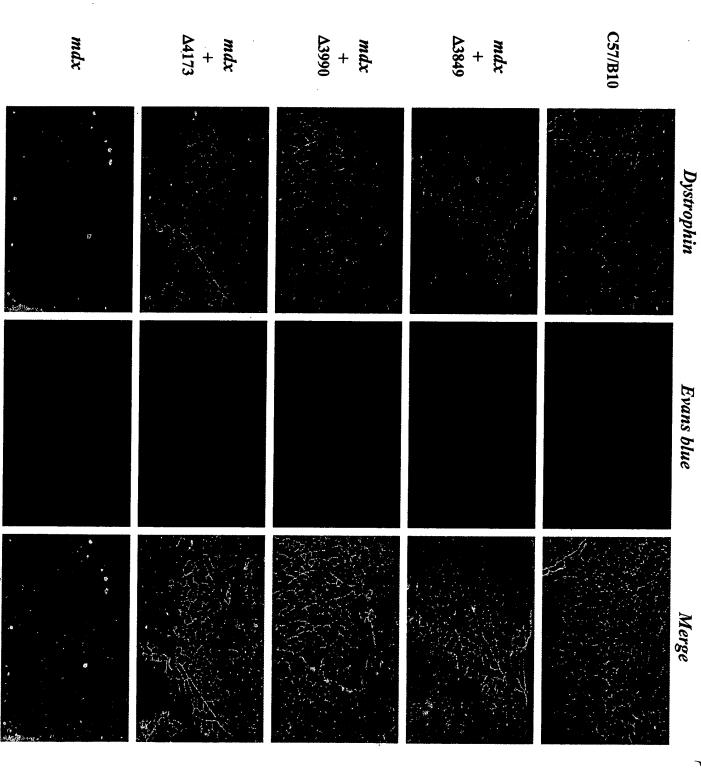
 $mdx+\Delta 3849$ 

 $mdx+\Delta 3990$ 





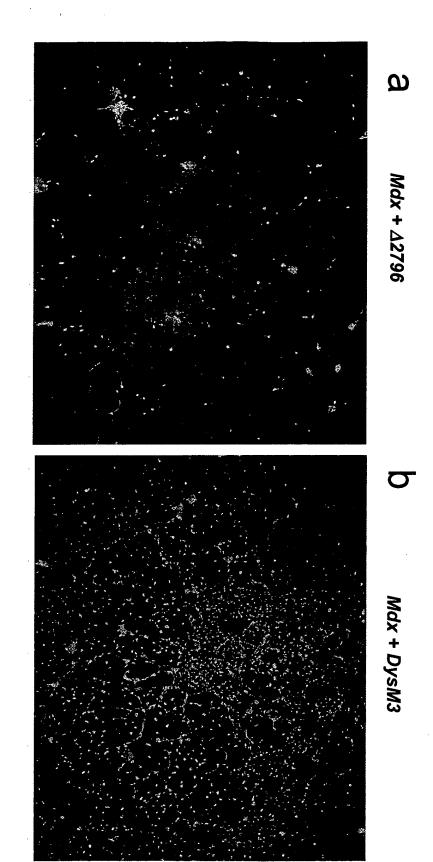
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**Lengthening Activation** 

